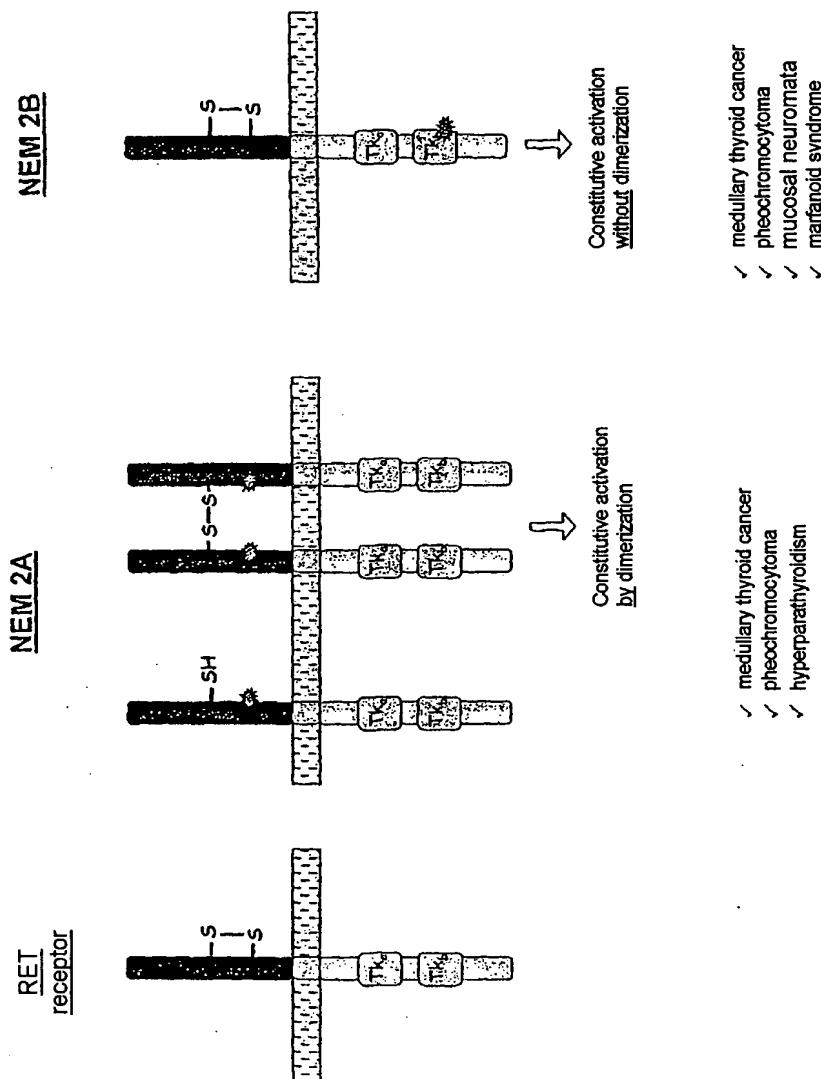


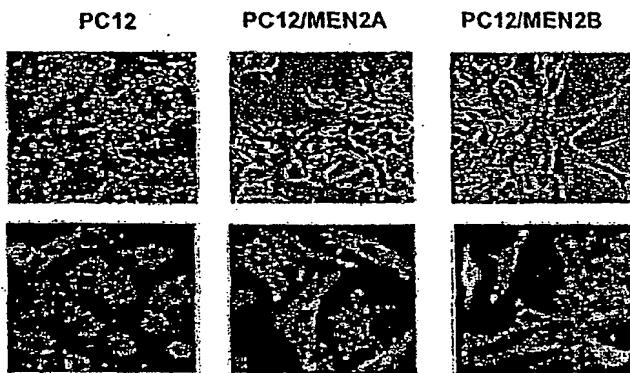
FIGURE 1



- ✓ medullary thyroid cancer
- ✓ pheochromocytoma
- ✓ mucosal neuromata
- ✓ marfanoid syndrome

FIGURE 2

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PC12 cells stably transfected with a vector for expression of the human mutated receptors Ret<sup>C634Y</sup> (PC12/ MEN2A) or Ret<sup>M918T</sup>(PC12/MEN2B).

FIGURE 3

Diagrammatic representation of GDNF-dependent  
RET receptor activation

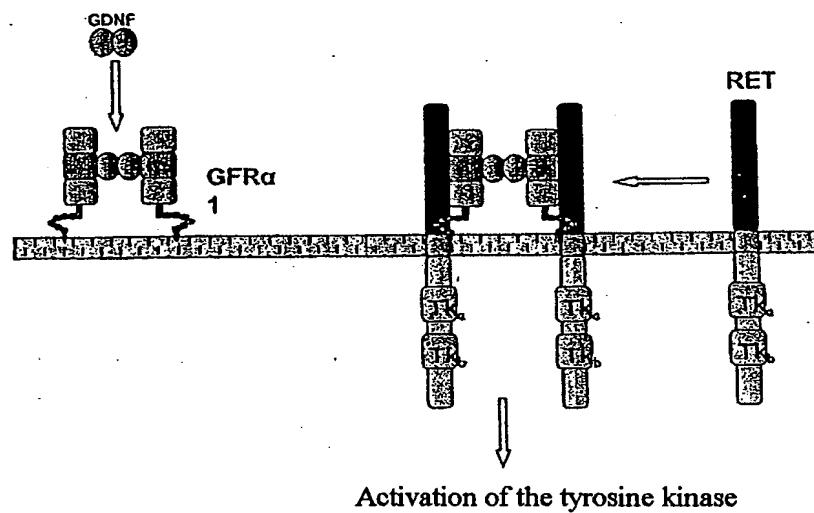


FIGURE 4

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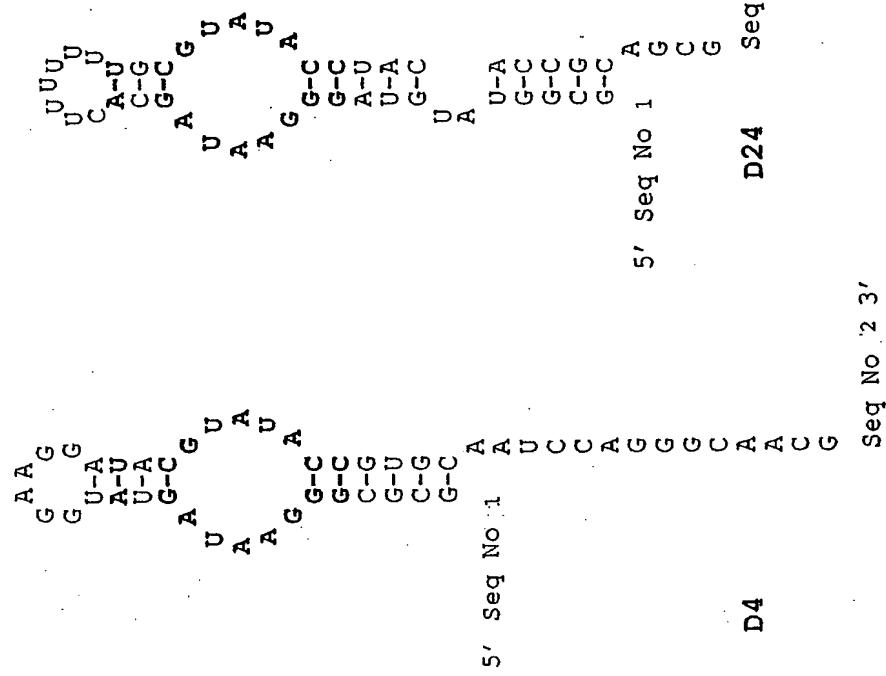


Fig. 5 A

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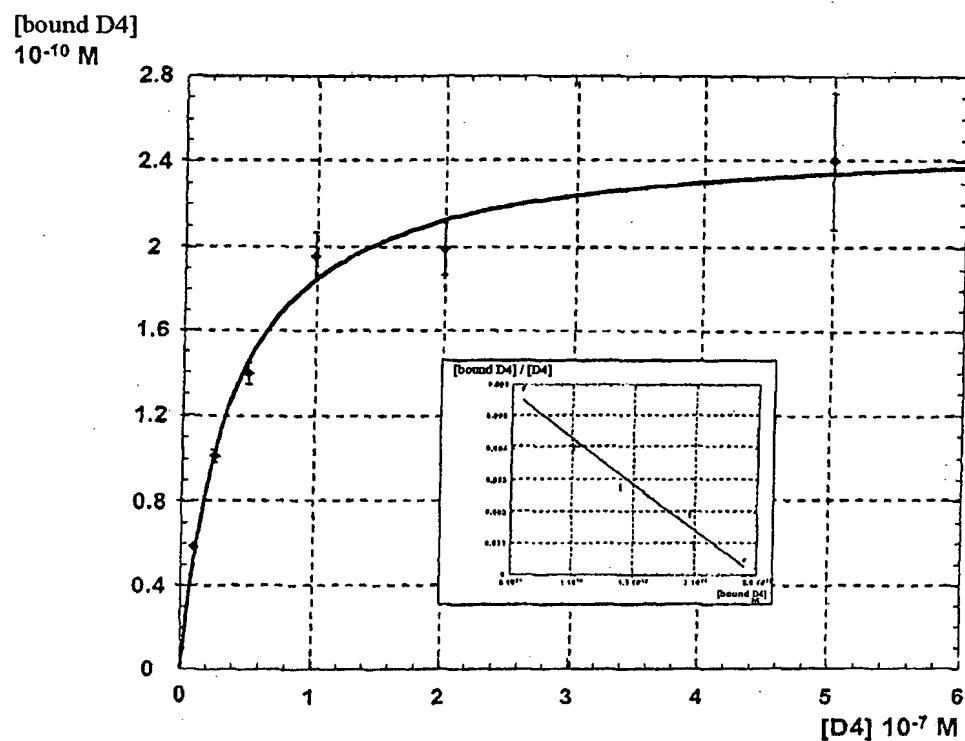
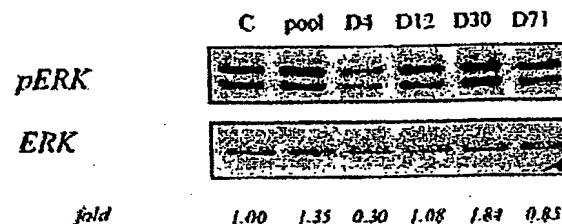


FIGURE 5B

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A



B

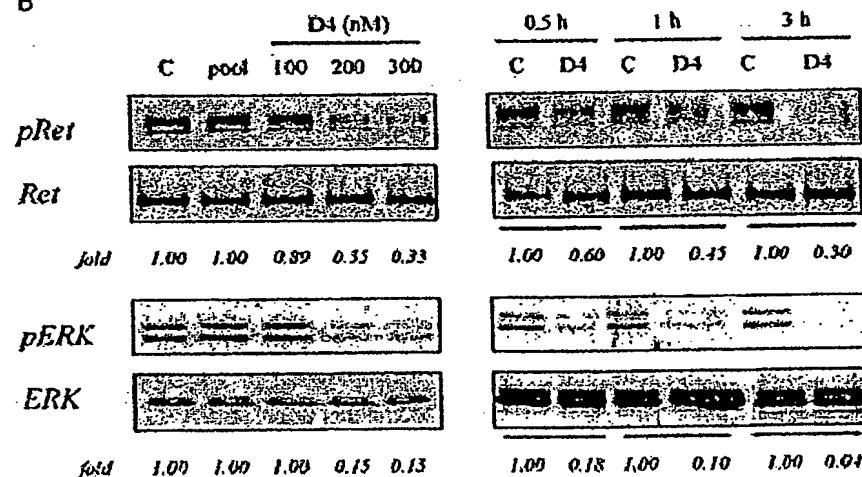
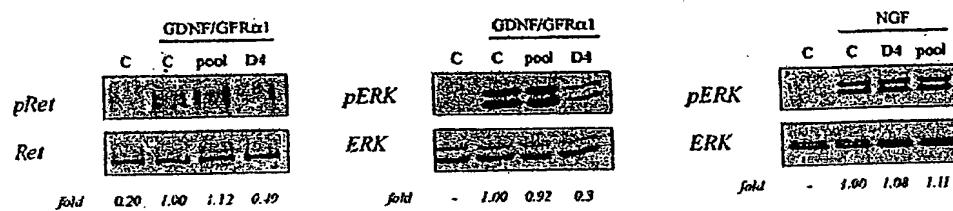


FIGURE 6

BEST AVAILABLE COPY

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A



B

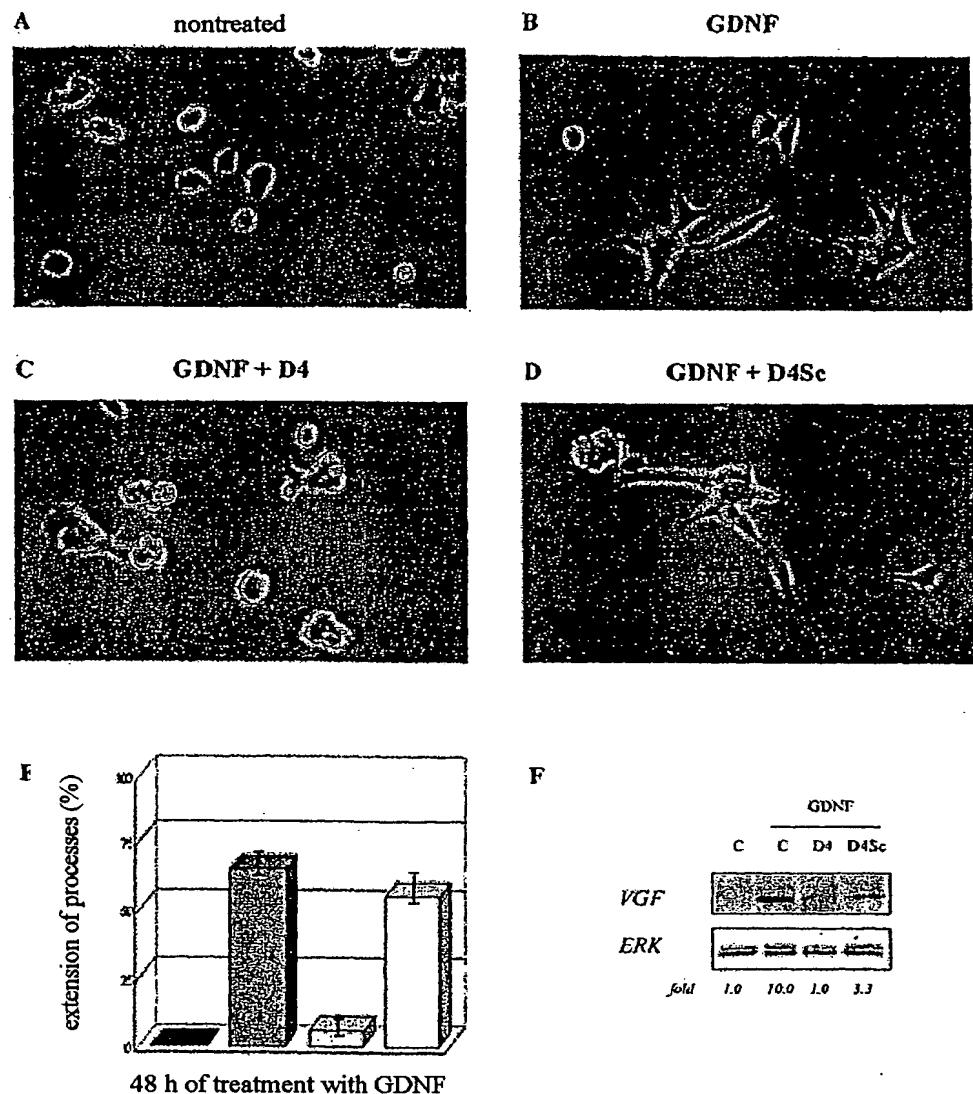


FIGURE 7

BEST AVAILABLE COPY

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PC12- $\alpha$ 1/wt cells



BEST AVAILABLE COPY

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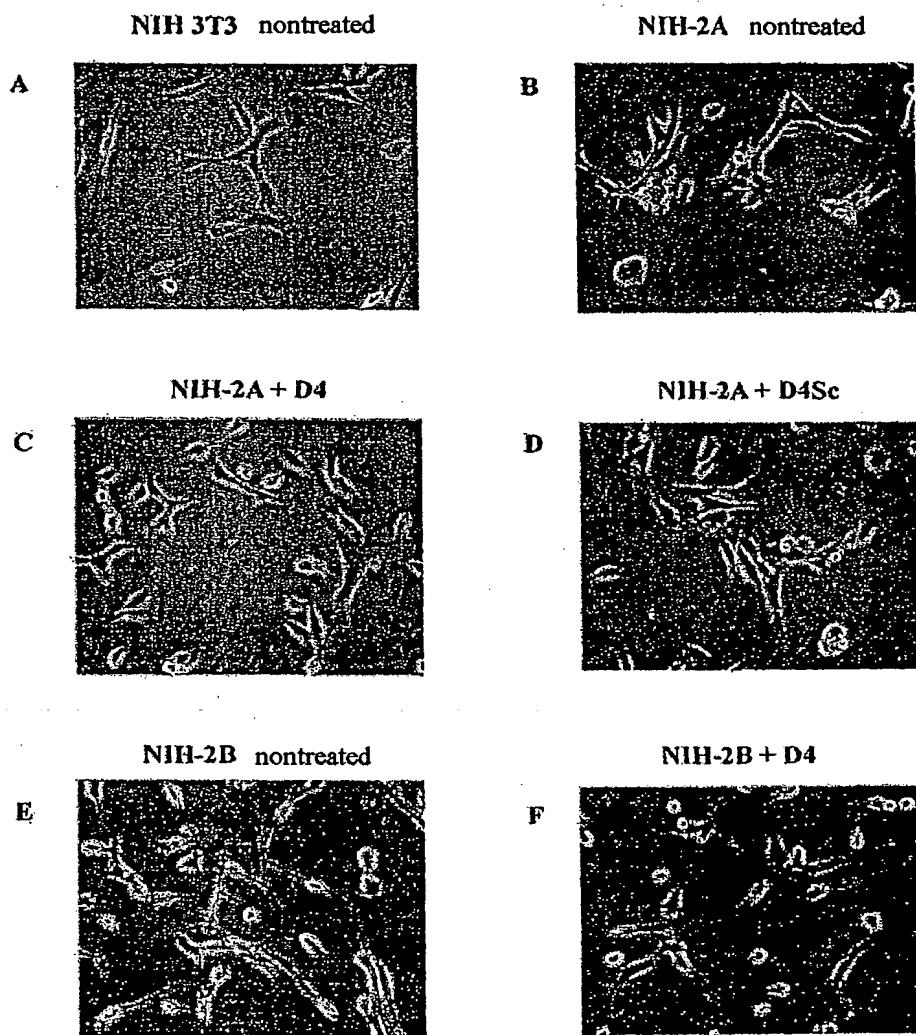
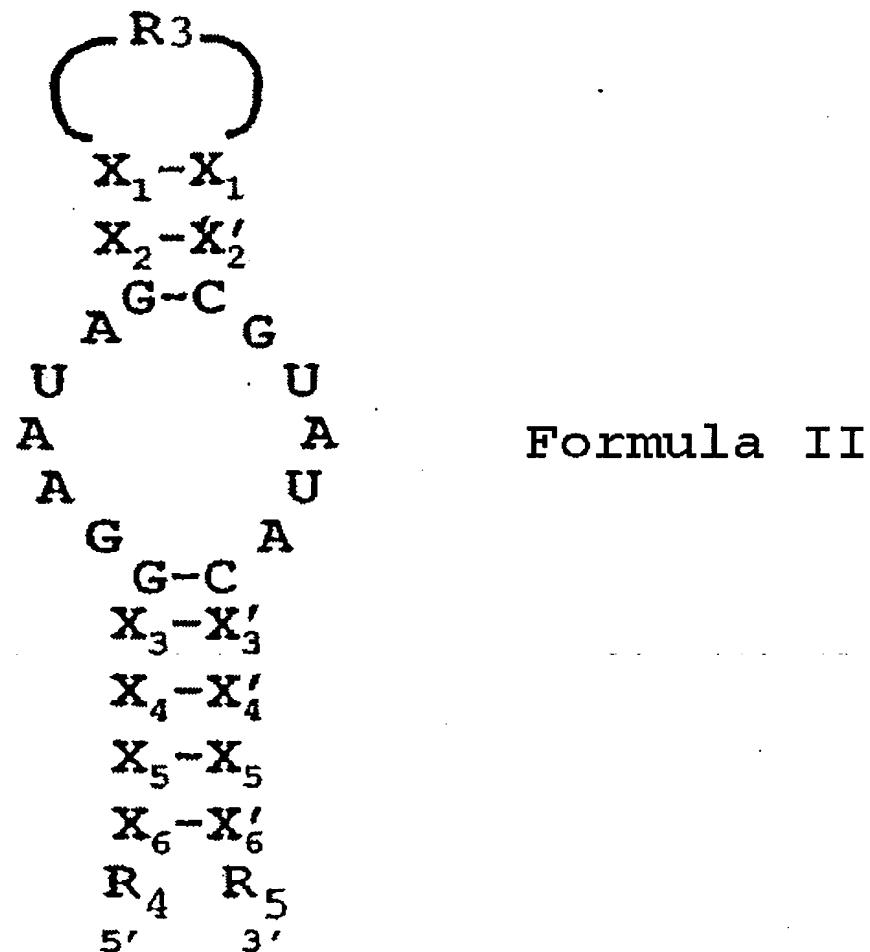


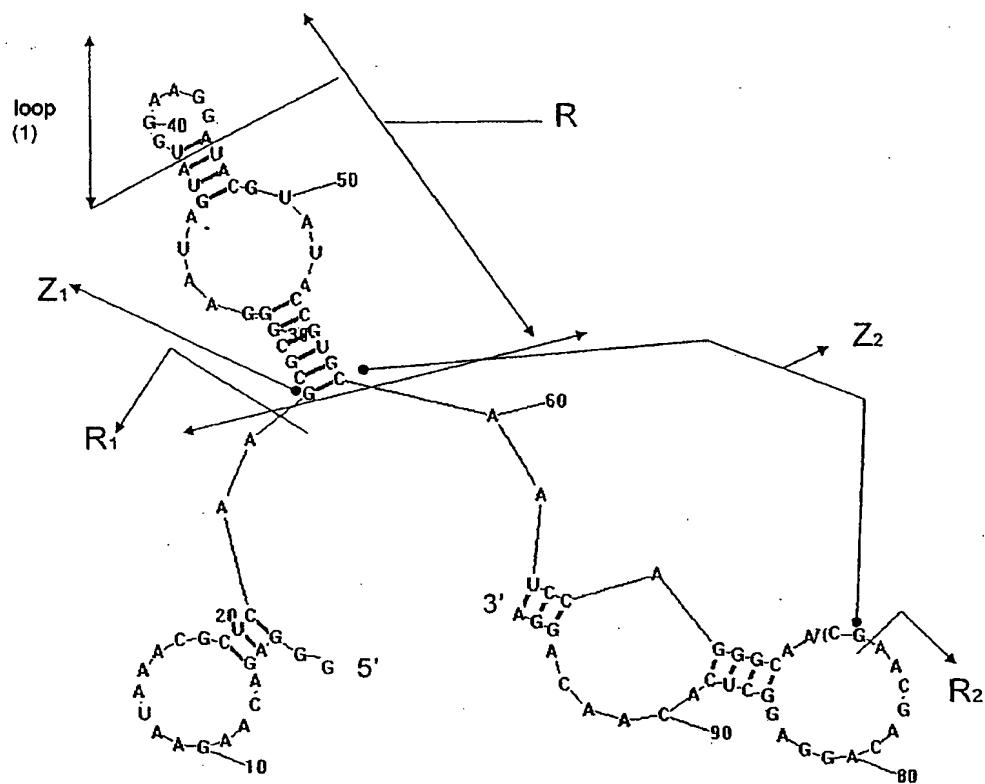
FIGURE 9

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FIGURE 10



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D4 - 97nt ENERGY -17.5

FIGURE 11

5'  $\rightarrow$  3'

R<sub>1</sub> + Z<sub>1</sub> = R<sub>4</sub>

5'  $\rightarrow$  3'

R<sub>2</sub> + Z<sub>2</sub> = R<sub>5</sub>

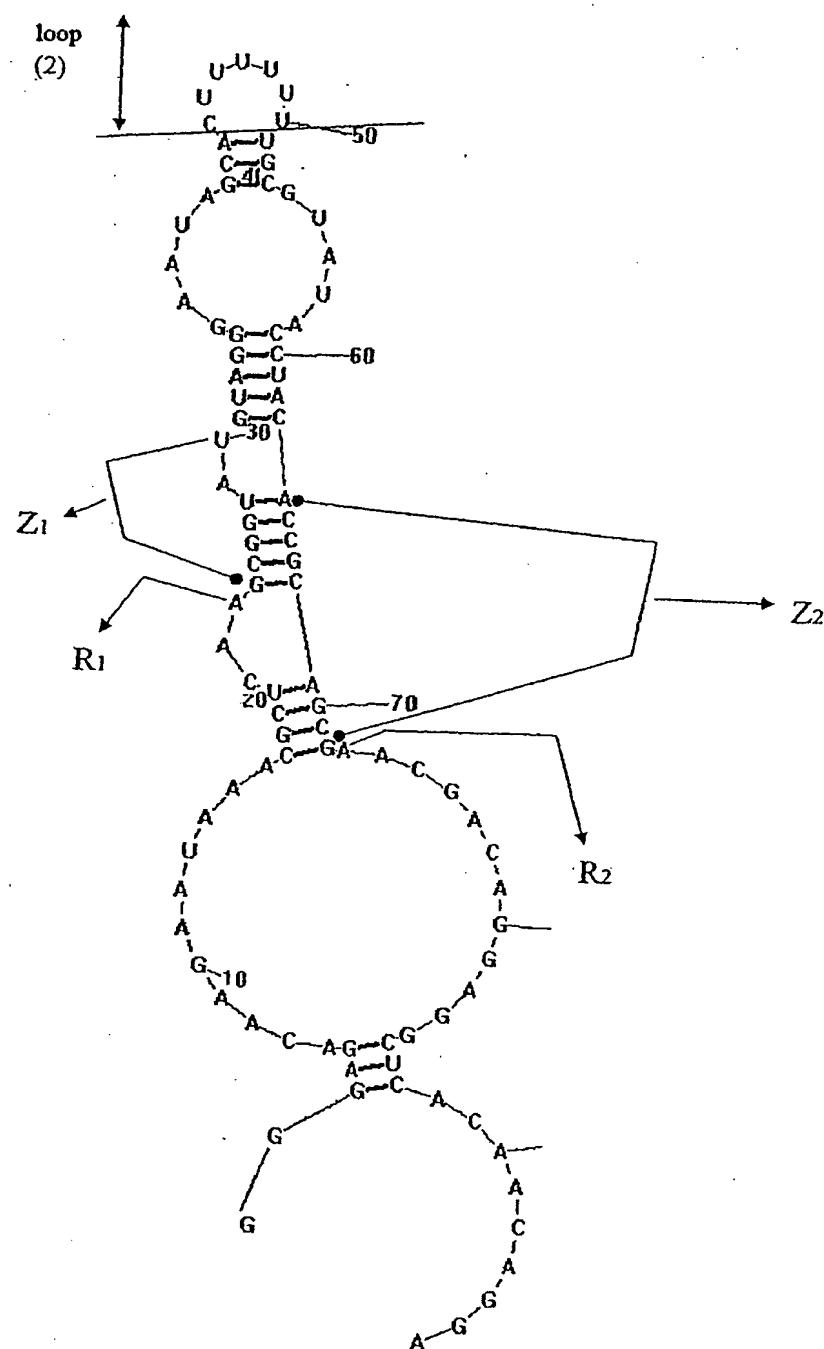


FIGURE 12

D24 - 96nt ENERGY -24

5' → 3'

5' → 3'

$$R_I + Z_I = R_4$$

$$R_2 + Z_2 = R_5$$

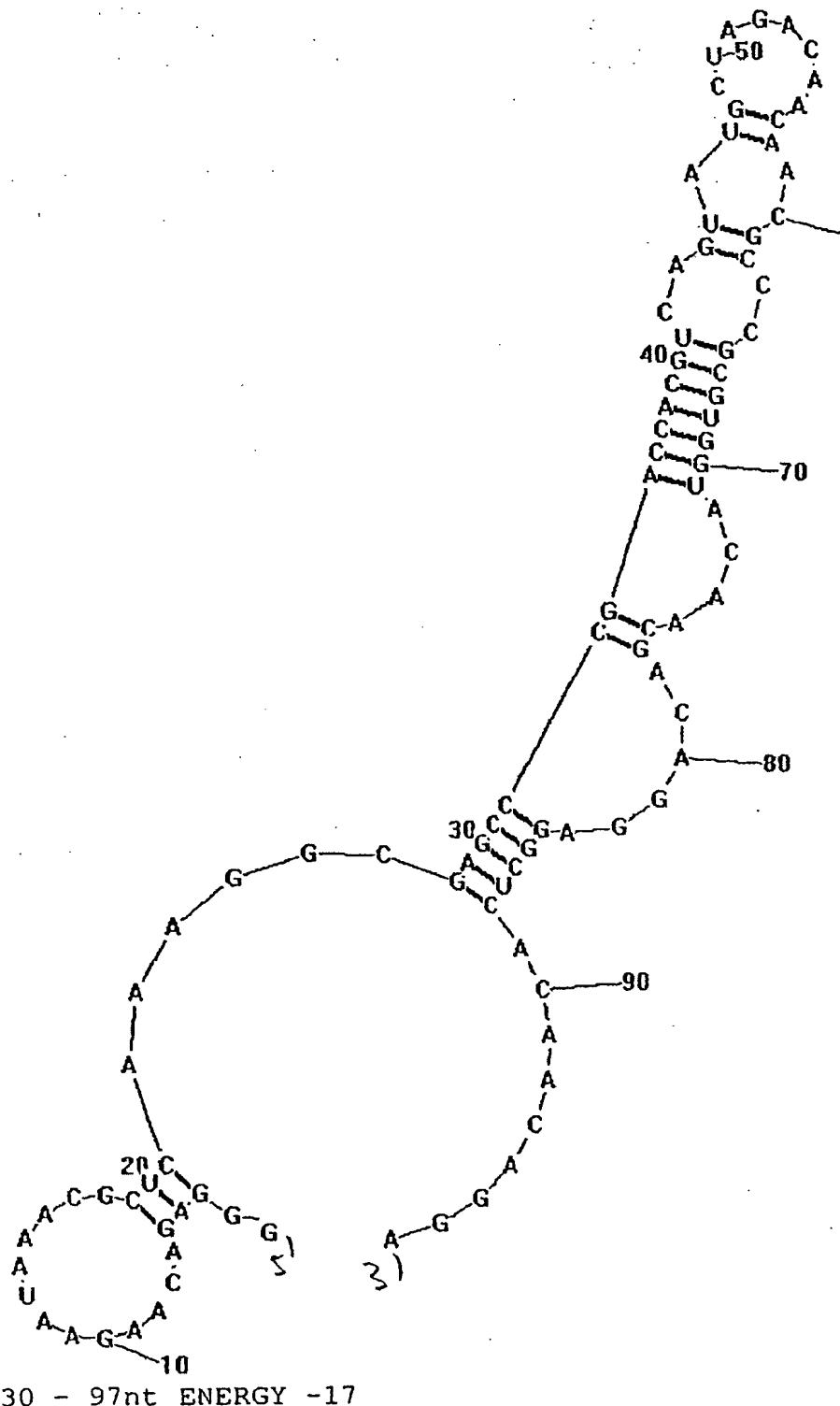


FIGURE 13

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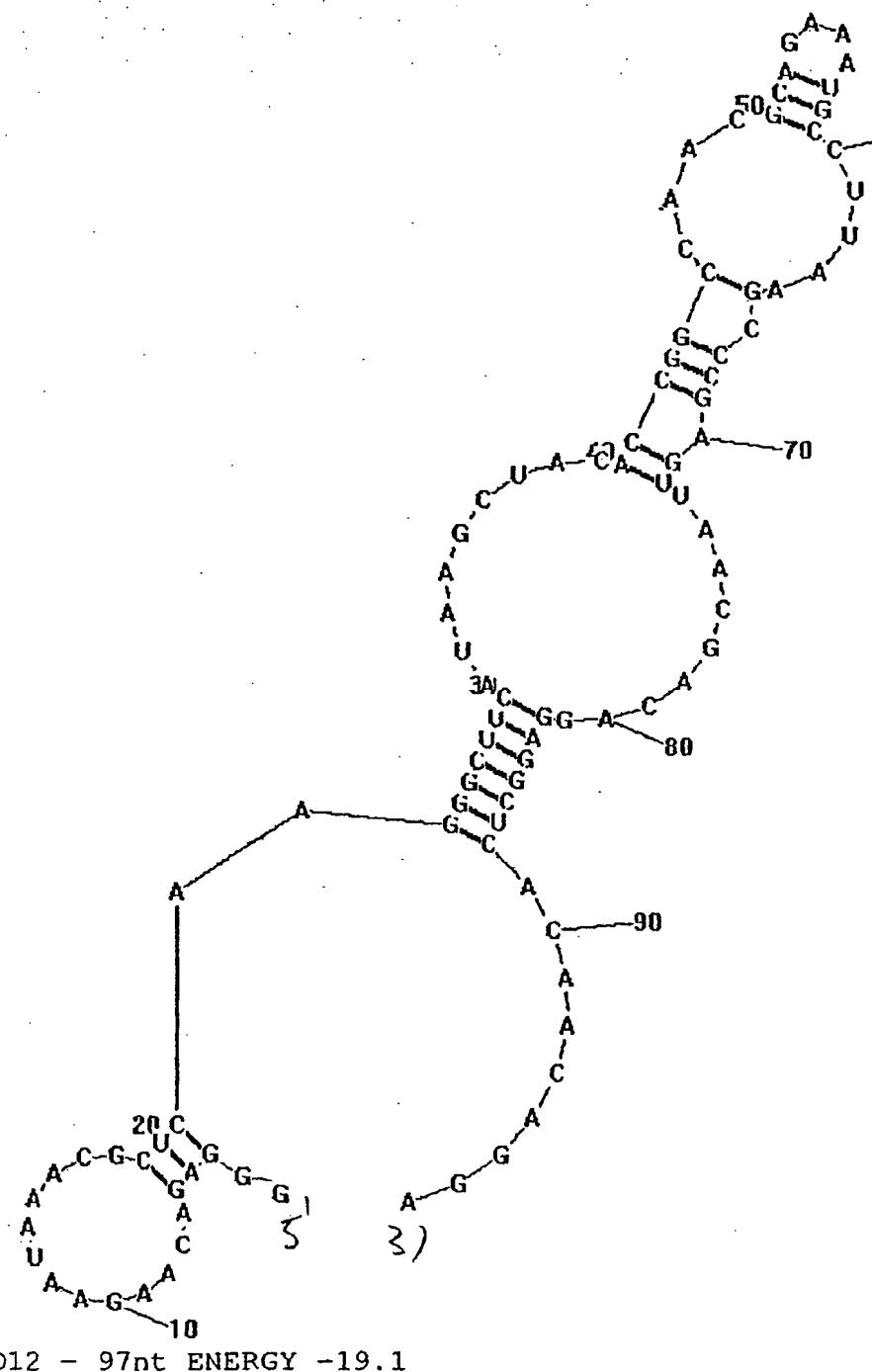
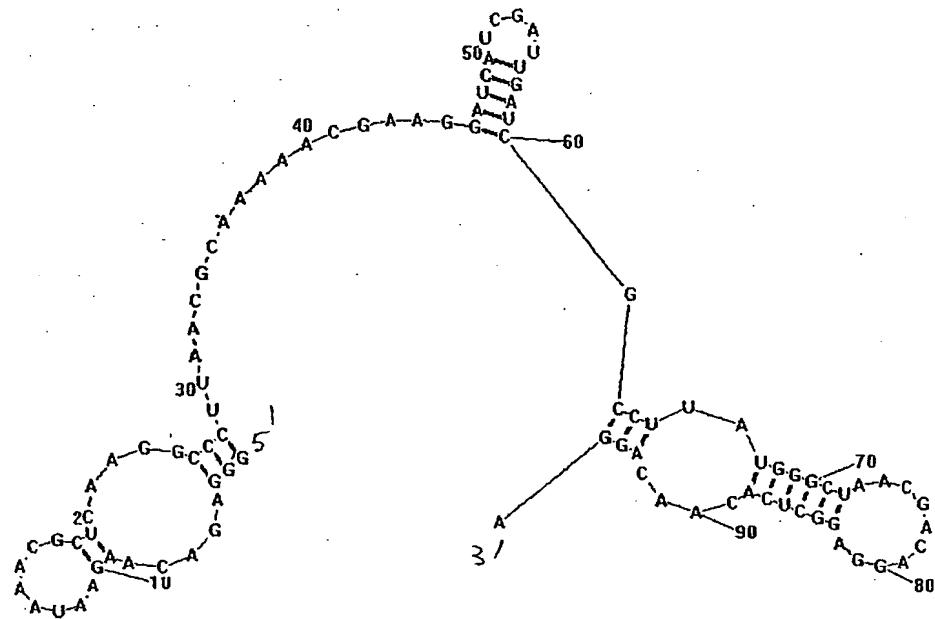


FIGURE 14



D71 - 96nt ENERGY -16.6

FIGURE 15

Fig. 16: Screening of aptamers which interact with RET on PC12 MEN 2A cells by competitive binding with the D4 aptamer

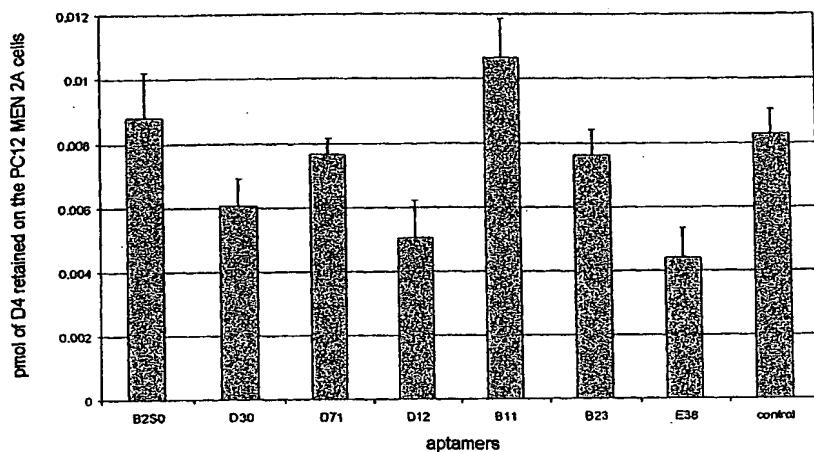


Fig. 17: Competitive binding of the E38 aptamer on PC12 MEN 2A cells in the presence of an increasing concentration of D4 aptamer

